

PREGUNTA N° 1

a) ①

	conductores	NO conduc.
Hombres	2	4
Mujeres	2	2
Grupo	4	6
	10	

2

②

	conducto.	NO con.
Hombres	6	5
Mujeres	4	5
Grupo	10	10
	20	

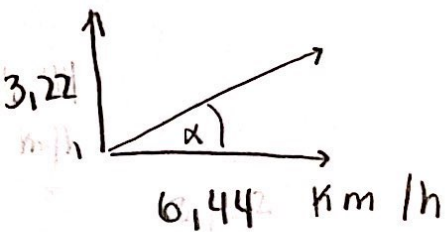
b) $\frac{6}{14} = 42,85\%$

c) $\frac{16}{14} = \frac{8}{7}$

d) $\frac{9}{20} = 45\%$

e) $\frac{7}{13}$

PREGUNTA N°2



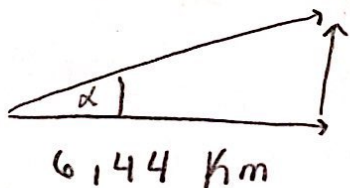
$$6,44^2 + 3,22^2 = X^2$$

$$51,842 = X$$

$$7,20 = X$$

a) $\arctg \frac{3,22}{6,44} = 26,56^\circ$

b)



$$\operatorname{tg}(26,56^\circ) = \frac{\text{ca}}{\text{ca}}$$

$$\operatorname{tg}(26,56^\circ \cdot 6,44) = \text{ca}$$

$$3,22 \text{ km} = \text{ca}$$

$$6,44^2 + 3,22^2 = X^2$$

$$51,842 = X^2$$

$$7,20 = X$$

$$t = \frac{d}{v} = \frac{7,20 \text{ km}}{7,2 \frac{\text{km}}{\text{h}}} = 1 \text{ h}$$

$$c) \text{ río abajo} = V_b + V_c$$

$$\text{río arriba} = V_b - V_c$$

$$t = \frac{d}{v}$$

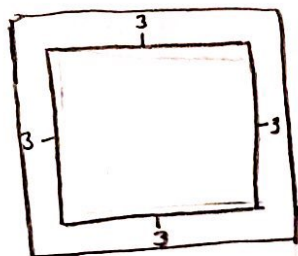
$$t = \frac{3,22 \text{ km}}{6,44 \frac{\text{km}}{\text{h}} + 3,22 \frac{\text{km}}{\text{h}}} + \frac{3,22 \text{ km}}{6,44 \frac{\text{km}}{\text{h}} - 3,22 \frac{\text{km}}{\text{h}}}$$

$$t = \frac{3,22}{9,66} + \frac{3,22}{3,22}$$

$$t = \frac{4}{3} = 1,33 \text{ h}$$

PREGUNTA Nº 3

$$\frac{L}{A} = \frac{7}{3}$$



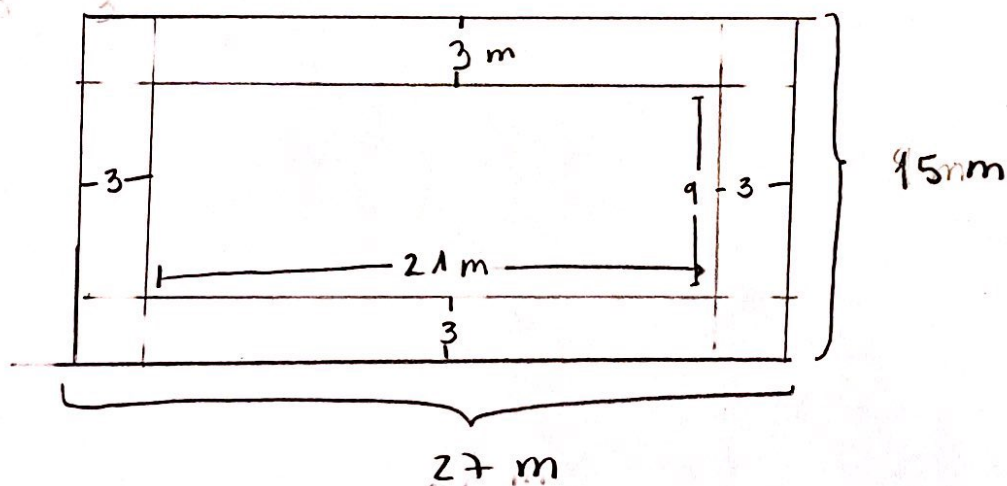
1 galón $\rightarrow$ 10 m²
2 manos

$$L = 21 \text{ m}$$

$$\frac{21}{A} = \frac{7}{3} \rightarrow A = \frac{21}{\frac{7}{3}} = 9$$

$$\frac{21}{10} = \frac{7}{3}$$

a)



$$\begin{aligned} \text{b) Área cancha total} &= 27 \text{ m} \cdot 15 \text{ m} \\ &+ 3 \text{ m} \\ &= 405 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \text{Área cancha normal} &= 21 \text{ m} \cdot 9 \text{ m} \\ &= 189 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \text{Área que se necesita pintar} &= 405 \text{ m}^2 - 189 \text{ m}^2 \\ &= 216 \text{ m}^2 \end{aligned}$$

$$c) 216 \text{ m}^2 : 10 \text{ m}^2 = 21,6 \rightarrow \text{galones para 1 mano}$$

$$21,6 \cdot 2 = 43,2 \rightarrow \text{galones para 2 manos}$$